**FIG. 1a**

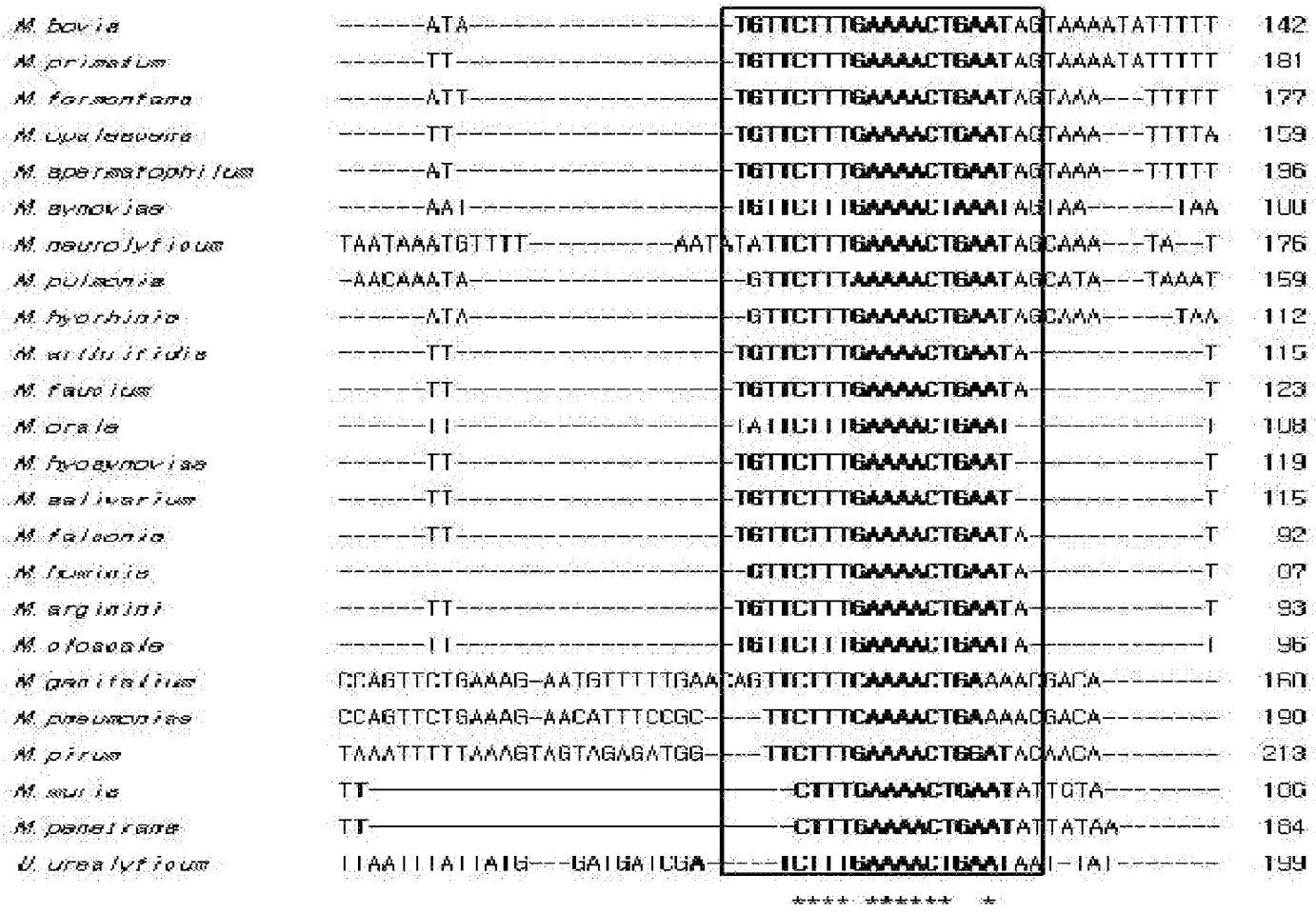
M. bovis
M. primatum
M. fermentans
M. hyorhinis
M. arthritidis
M. faucium
M. orale
M. salivarium
M. falconis
M. fauriei
M. arginini
M. alkalescens
M. gallisepticum
M. pneumoniae
M. pirum
M. muris
M. penetrans
U. urealyticum
M. bovis ------ATA---------- TGTTCTTTGAAAACTGAATAGTAAAATATTTTT 142
M. primatum ------TT---------- TGTTCTTTGAAAACTGAATAGTAAAATATTTTT 181
M. fermentans ------ATT---------- TGTTCTTTGAAAACTGAATAGTAAA---TTTTT 177
M. hyorhinis ------TT---------- TGTTCTTTGAAAACTGAATAGTAAA---TTTTA 159
M. arthritidis ------AT---------- TGTTCTTTGAAAACTGAATAGTAAA---TTTTT 196
M. salivarium ------TT---------- TGTTCTTTGAAAACTGAATAGTAAA---TTTTT 115
M. falconis ------TT---------- TGTTCTTTGAAAACTGAATA---------T 92
M. fauriei ---------- GTTCTTTGAAAACTGAATA---------T 87
M. arginini ------TT---------- TGTTCTTTGAAAACTGAATA---------T 93
M. alkalescens ------TT---------- TGTTCTTTGAAAACTGAATA---------T 96
M. gallisepticum CCAGTTCTGAAAG-AATGTTTTTGAA CAGTTCTTTCAAAACTGAAAAAGACA-------- 160
M. pneumoniae CCAGTTCTGAAAG-AACATTTCCGC- ---TTCTTTCAAAACTGAAAACGACA-------- 190
M. pirum TAAATTTTTAAAGTAGTAGAGATGG- ---TTCTTTGAAAACTGGATACAACA-------- 213
M. muris TT---------- CTTTGAAAACTGAATATTGTA-------- 106
M. penetrans TT---------- CTTTGAAAACTGAATATTATAA-------- 184
U. urealyticum TTAATTTATTATG---GATGATCGA ----TCTTTGAAAACTGAATAA-TAT-------- 199
**** ****** *

**FIG. 1b**


M. arthritidis
M. fauciu
M. falconis
M. hominis
M. argimini
M. cloacale
M. hyosynoviae
M. orale

**FIG. 1c**

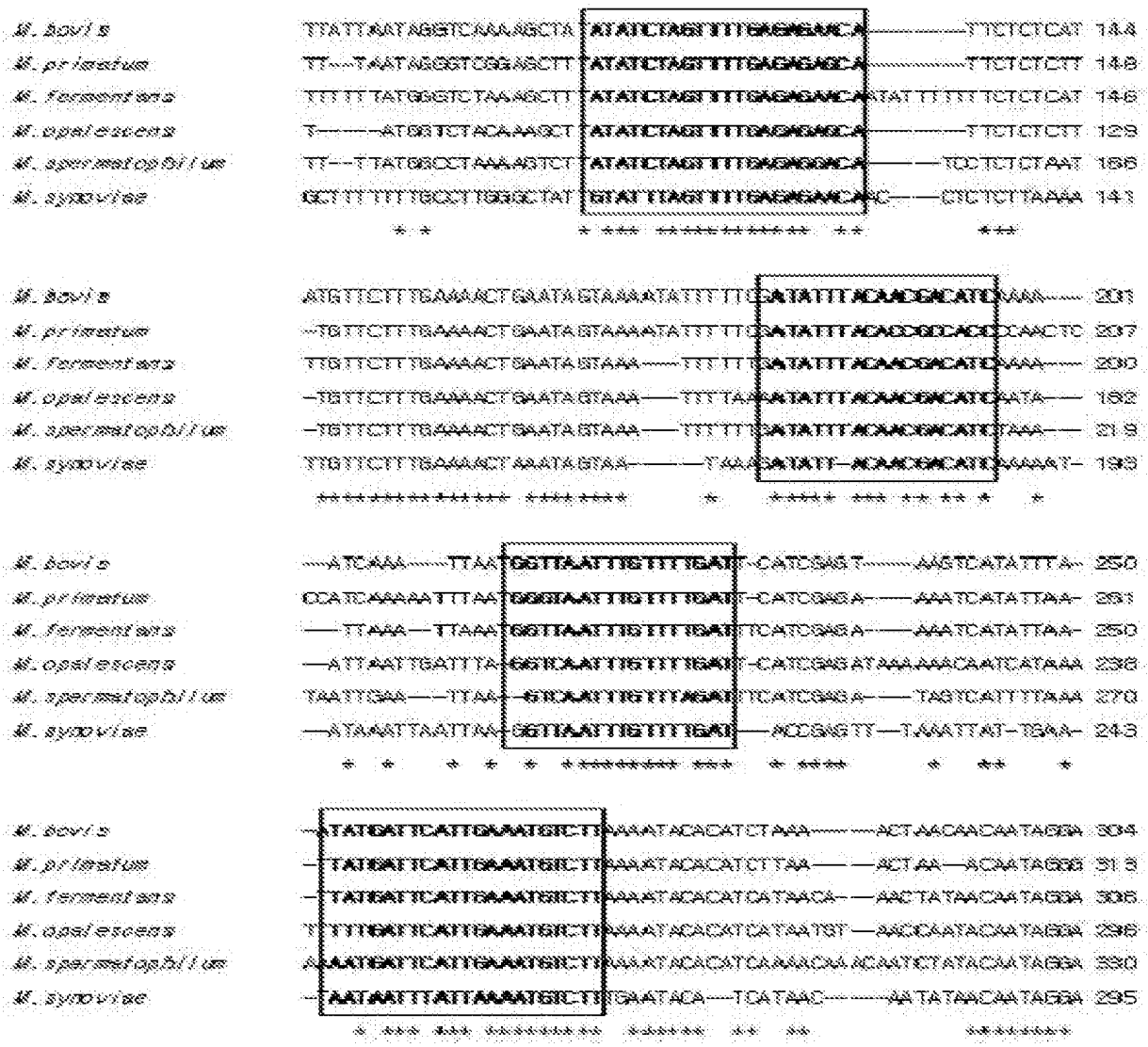
M. bovis
M. primatum
M. fermentans
M. opalescens
M. spermatophilum
M. synoviae

**FIG. 1d**

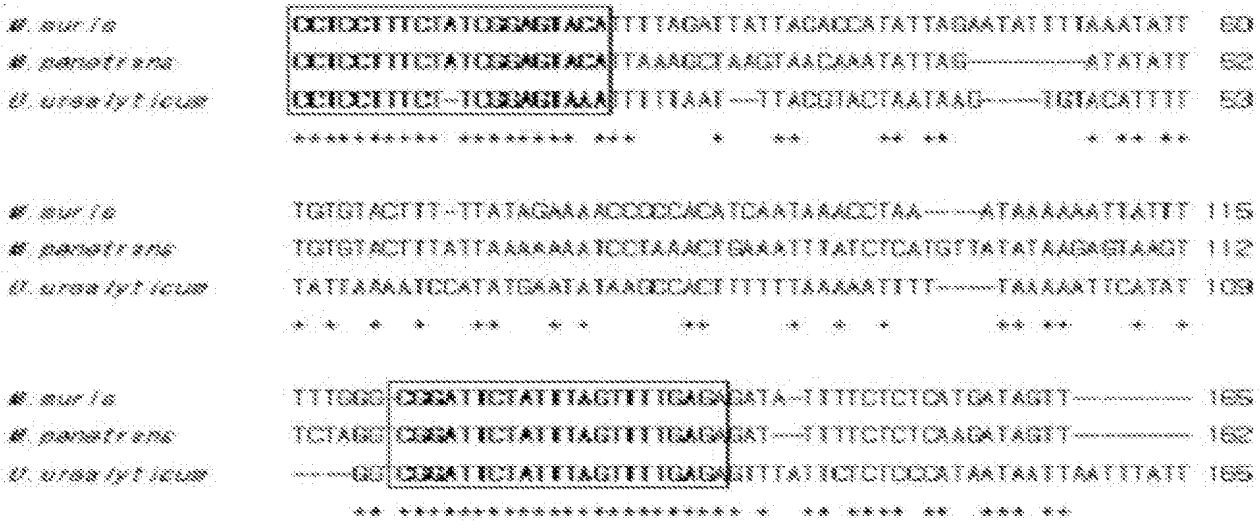
M. musculus
M. pahari strain
O. cuniculus
M. musculus
M. pahari strain
O. cuniculus
M. musculus
M. pahari strain
O. cuniculus

**FIG. 1e**


M. pulmonis
M. neurolyticus

**FIG. 1f**

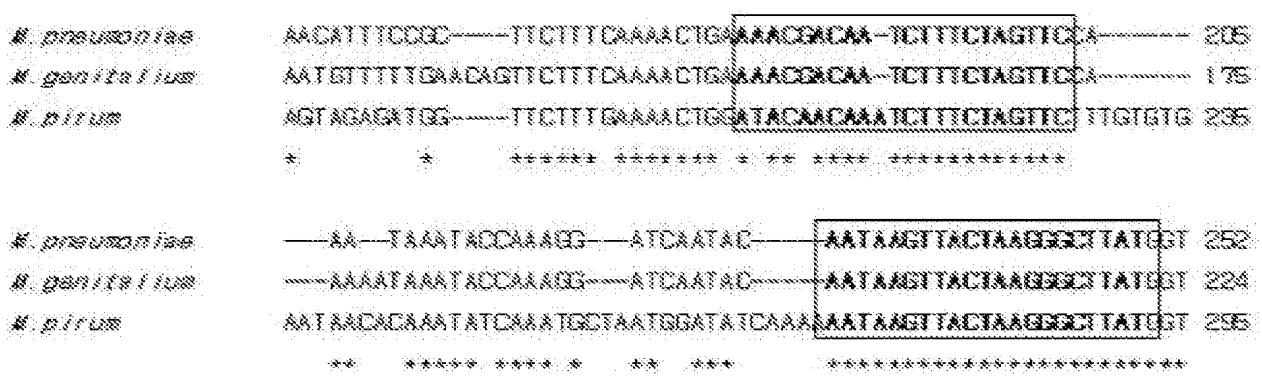
M. pneumoniae
M. genitalium
M. pirum

**FIG. 2a**

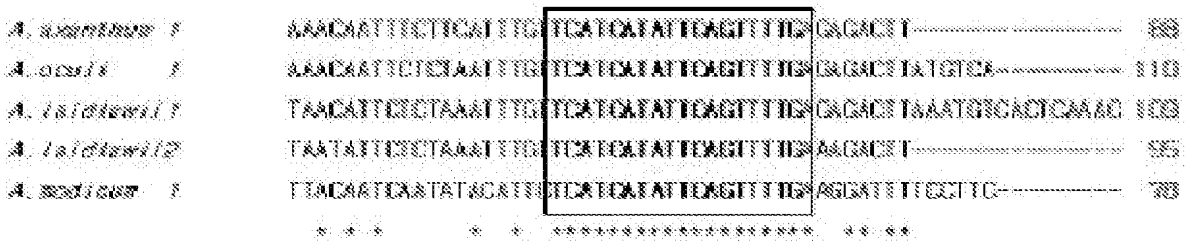

**FIG. 2b**

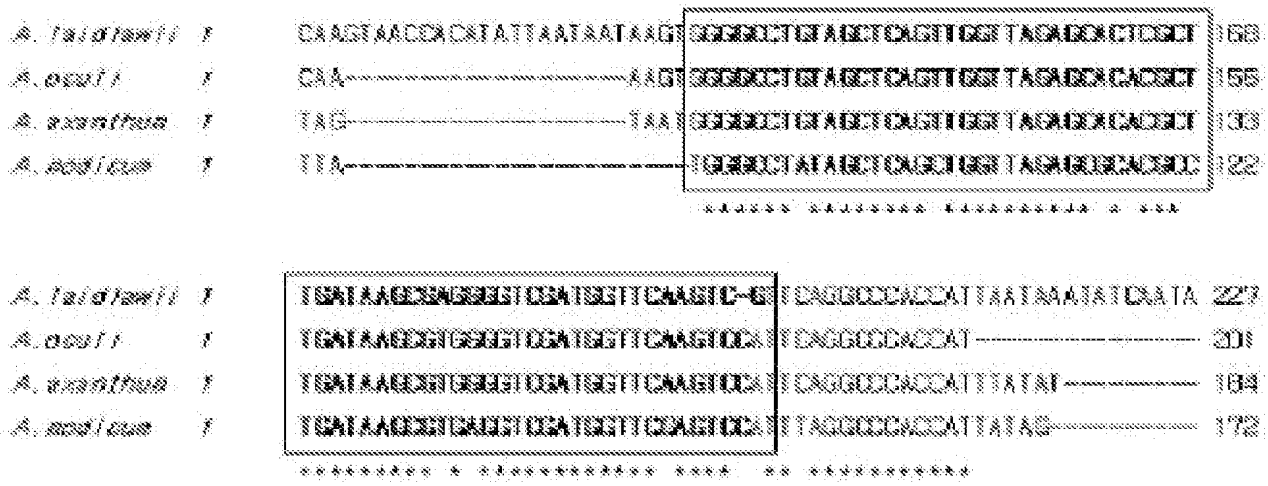

**FIG. 2c**

FIG. 3a

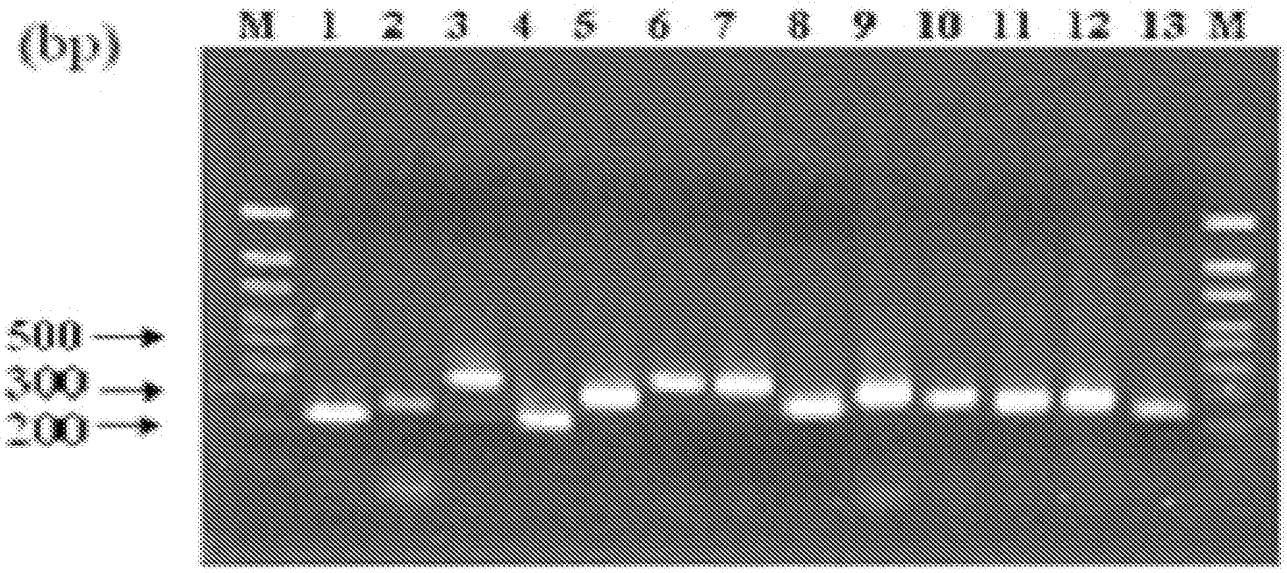
(bp)
M 1 2 3 4 5 6 7 8 9 10 11 12 13 M
500
300
200

FIG. 3b

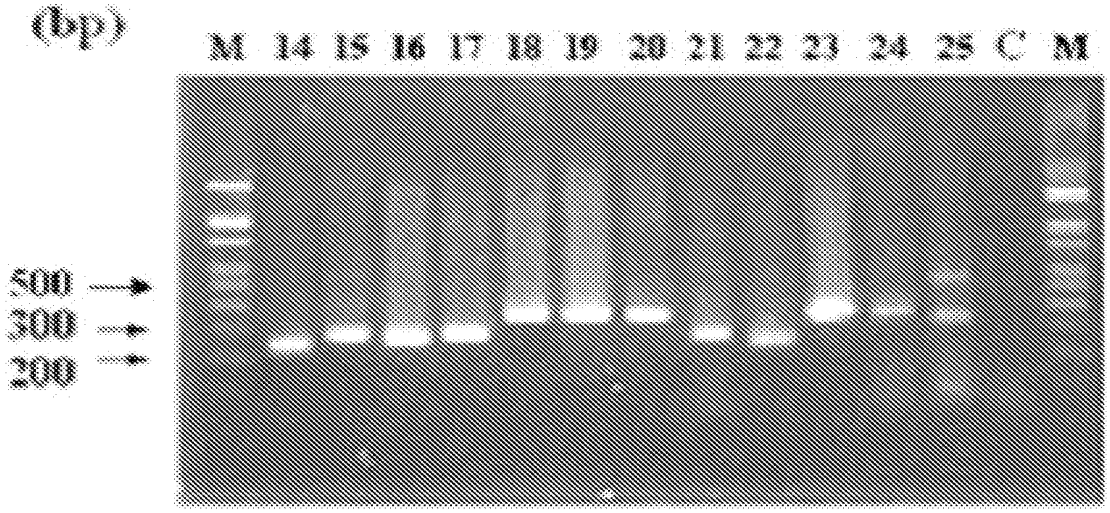
(bp)
M 14 15 16 17 18 19 20 21 22 23 24 25 C M
500
300
200

**FIG. 4**

| | | | | | |
|---|---|---|---|---|---|
| MP-C [7] | *M. arginini* [28] | *M. arthritidis* [30] | *M. fermentans* [33] | *M. hominis* [38] | *M. hyorhinis* [41] |
| *M. neurolyticum* [49] | *M. opalescens* [52] | *M. orale* [58] | *M. pirum* [61] | *M. penetrans* [69] | *M. pulmonis* [75] |
| *M. salivarium* [83] | *M. cloacale* [85] | *M. falconis* [87] | *M. faucium* [30] | *M. hyosynoviae* [90] | *M. muris* [92] |
| *M. primatum* [96] | *M. spermatophilum* [100] | *M. synoviae* [105] | *M. pneumoniae* [110] | *M. genitalium* [114] | *M. bovis* [120] |
| *U. urealyticum* [122] | | | AP-C [22] | *A. laidlawii* [128] | MP-C [7] |

*[ ] corresponds to SEQ ID No's of Tables 2 and 3.

FIG. 5a

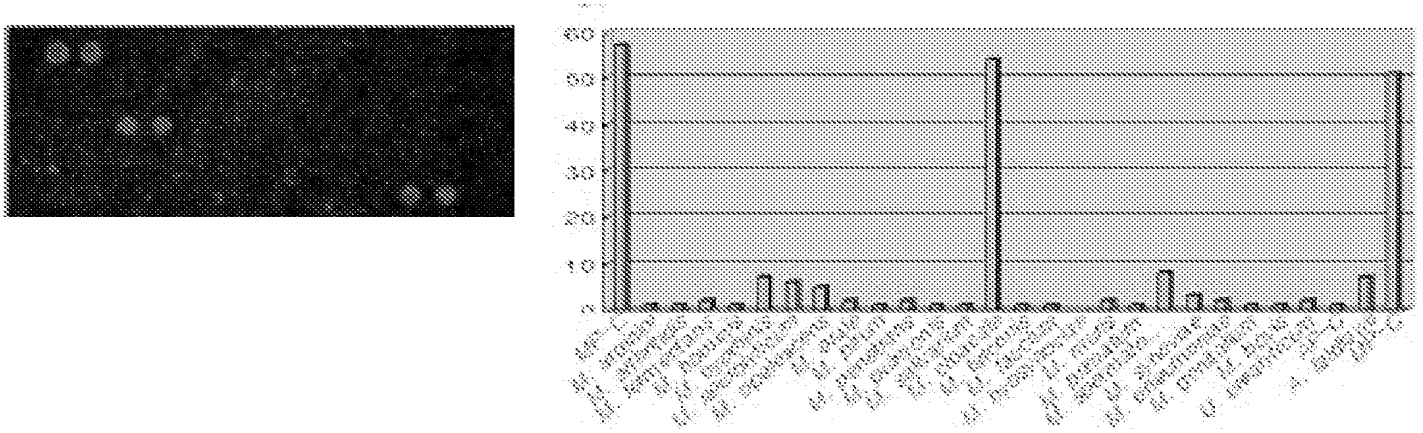

FIG. 5b

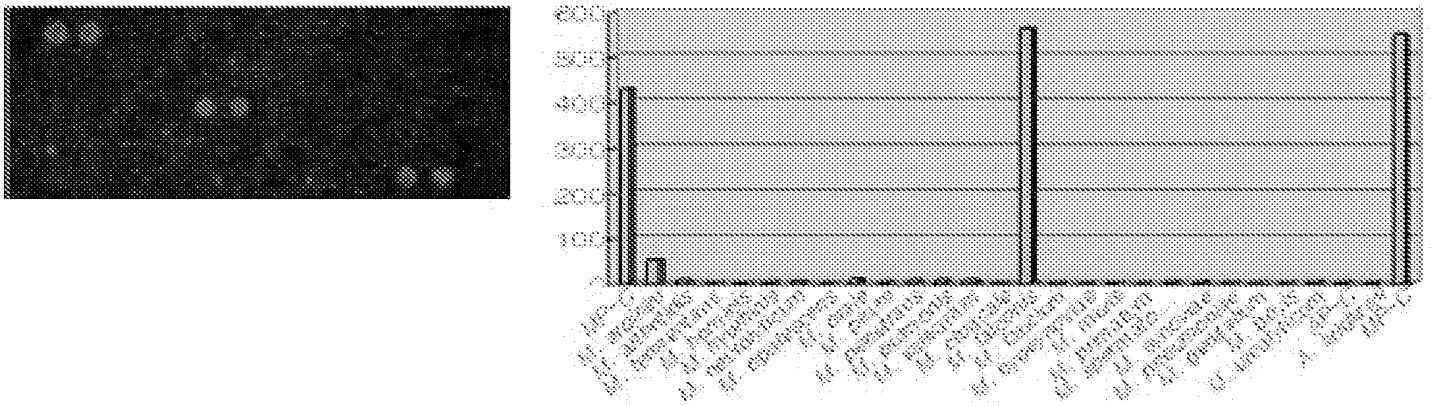

FIG. 5c

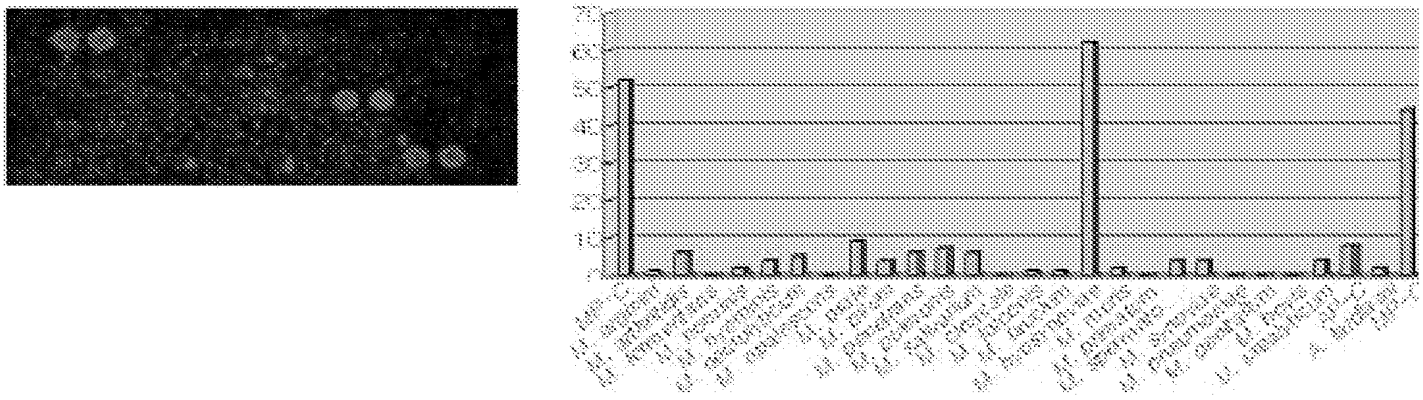

FIG. 5d

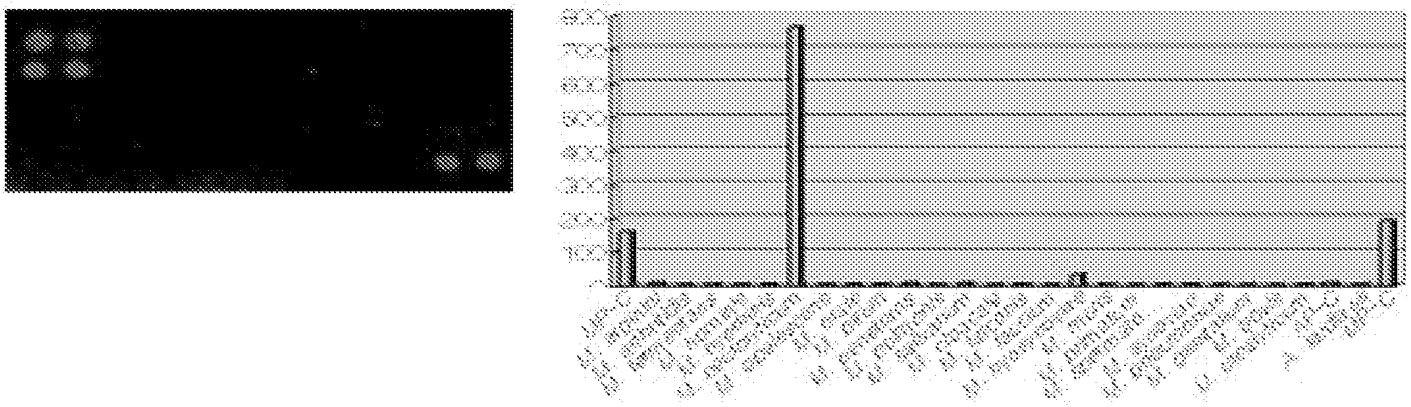

FIG. 5e

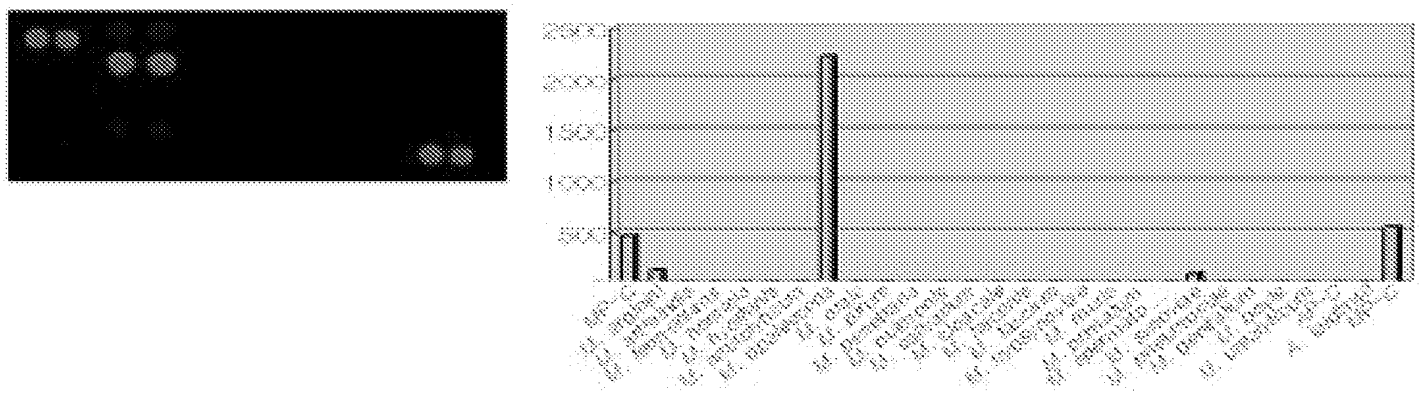

FIG. 5f

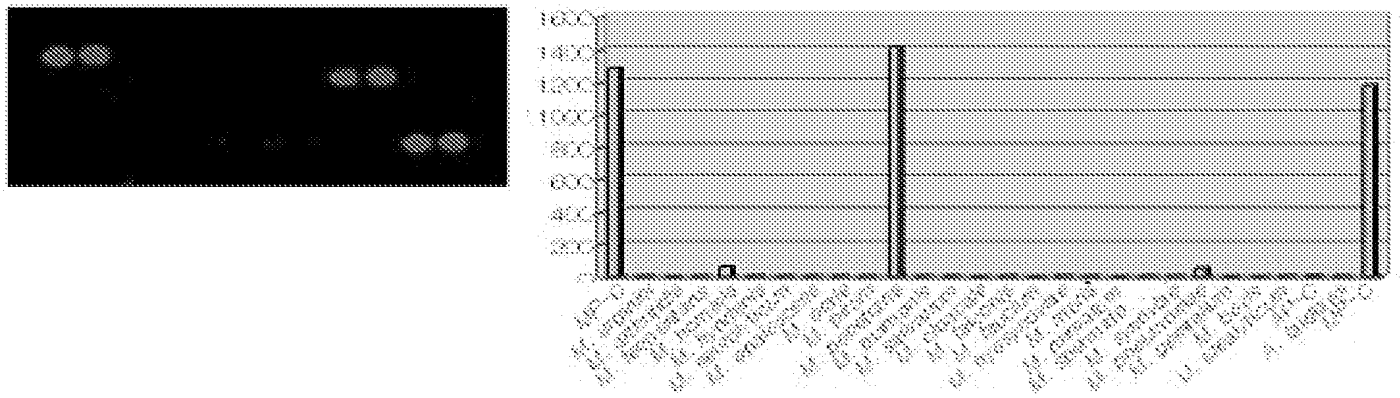

FIG. 5g

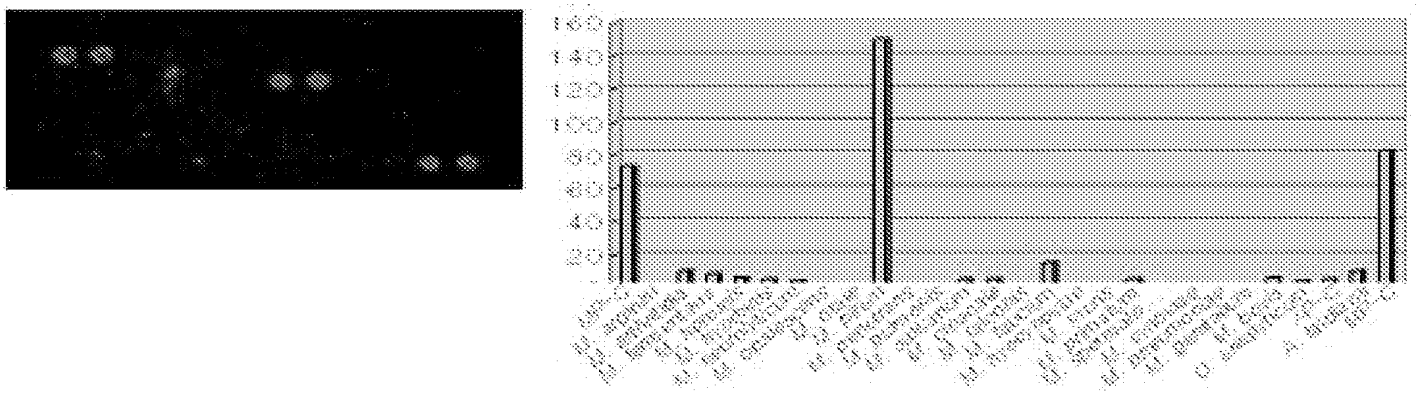

FIG. 5h

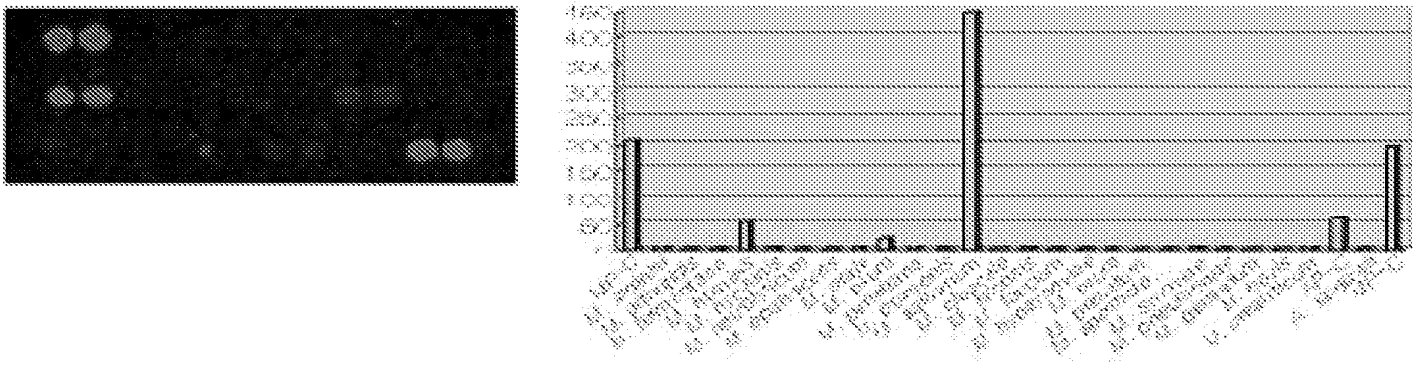

FIG. 5i

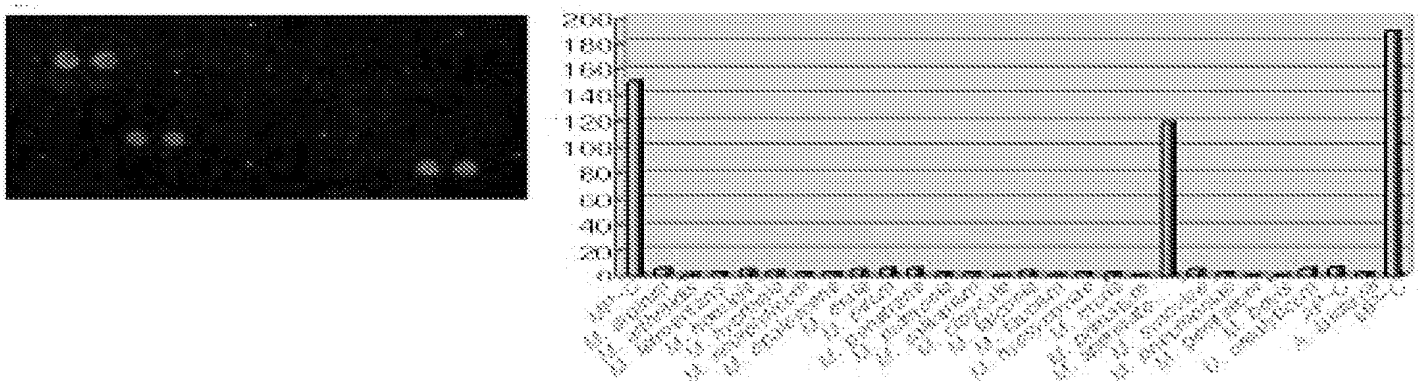

FIG. 5j

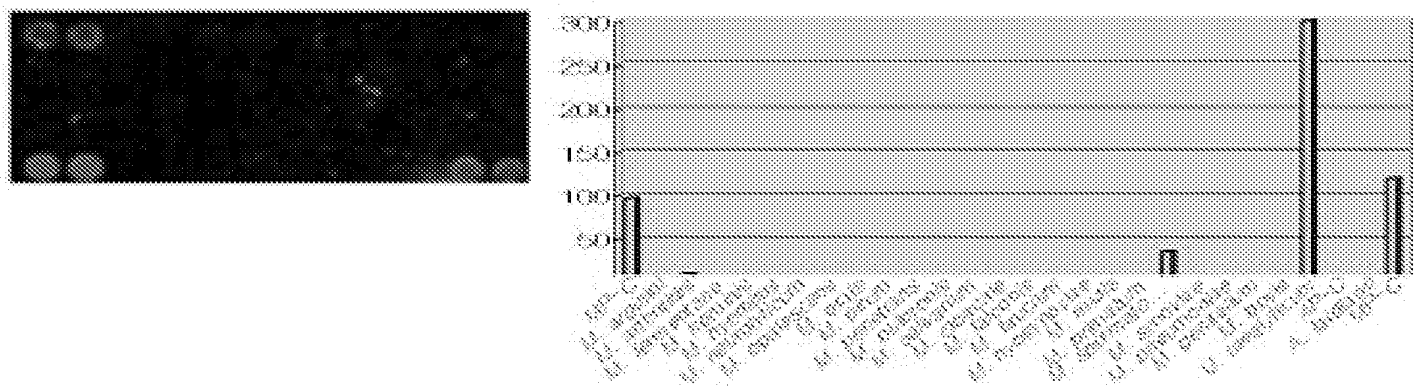


FIG. 5k